Emerging Concepts to Address SP21 Threats

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Agenda

- **Assured Access**
- **Operational Reach**
- **Fires**
- **Sustaining STOM**

Assured Access

- Sea Power 21 identified the threat of anti-access strategies
- OIF showed that we cannot assume availability of forward staging bases for a variety of reasons
  - Turkey
  - Kuwait
- Reinforces the value of Sea Basing
- Leverages our asymmetric naval advantage
- Depth of operations
  - Kuwait to Tikrit

Operational Reach

- Persistence, sustainment, and depth
- Riverine operations from the sea base
  - Rivers traditionally seen as obstacles
  - Rivers can be seen as opportunities, as alternate avenues of approach
- For operational maneuver and logistics
- Over-the-Horizon (OTH), On-the-Move (OTM) communications – Irridium?
- ISR to support maneuver commanders / decision makers

Fires

- Depth of OIF operation is relevant to envisioned STOM operations
- STOM envisions persistent indirect fires throughout the battlespace
- At extreme depth of both OIF and STOM capability gaps exist – particularly counter-battery fire
- Capability gap partially bridged by EFSS and future NSFS
- Remaining gap at extreme operational distances may be bridged by development of loitering munitions

Sustaining STOM

- **STOM "Quick Fuels" Concept**
  - **OEF use of heavy-lift, rotary aircraft specially configured with fuel handling systems that can download fuel from fixed-wing tanker, then return to the ground and refuel ground vehicles and other rotary-wing aircraft**

- **OIF use of FARPs/FOBs**
  - **Ground forces advanced and secured areas for C-130s and tanker trucks for the refuel of both ground and aviation assets**
  - **Use of VSTOL**